ABSTRACT

For the control of an electric power transmission network, where local protection functions are implemented by a plurality of local protection devices (3,3a,3b,3b',3c) located at a plurality of locations throughout the network, the following steps are executed

- measuring phasor data for voltages and currents at a plurality of locations (A,B) of the network,

- transmitting said phasor data to a central processing device (2),

- emulating, in the central processing device (2), protection functions that are implemented in the local protection devices (3,3a,3b,3b',3c), and

- executing, in accordance with a given redundancy strategy, control commands that are issued redundantly by the local protection devices (3,3a,3b,3b',3c) and by the central processing device (2).

In a preferred variant of the invention, values of predetermined parameters that are used in the protection function, in particular protection threshold values, are adapted to measured values.

(figure 3)